

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,569,690 B2
APPLICATION NO. : 10/524517
DATED : August 4, 2009
INVENTOR(S) : Morimoto et al.

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 2

At line 45, after "Summary", please insert:

-- We provide a process for producing an oxycarbonyl-substituted piperazine derivative, in which a piperazine derivative represented by general formula (1) is oxycarbonylated to produce an oxycarbonyl-substituted piperazine derivative represented by general formula (2) --;

and after the formula 2, please insert:

-- (where R^1 , R^2 , R^3 and R^4 denote, respectively independently, i) a hydrogen atom, ii) an alkyl group with 1 to 4 carbon atoms, iii) an alkoxy group with 1 to 4 carbon atoms, iv) a halogen group, v) a carboxyl group, vi) a carbamoyl group, or vii) an N-alkylcarbamoyl group with 1 to 4 carbon atoms in its alkyl group; X denotes i) an alkyl group with 1 to 4 carbon atoms, ii) an alkenyl group with 2 to 4 carbon atoms, iii) an alkynyl group with 2 to 4 carbon atoms, iv) an aralkyl group not substituted in the aromatic ring, or substituted by an alkyl group with 1 to 4 carbon atoms or by an alkoxy group with 1 to 4 carbon atoms or by a halogen group, or v) an aryl group not substituted in the aromatic ring, or substituted by an alkyl group with 1 to 4 carbon atoms or by an alkoxy group with 1 to 4 carbon atoms or by a halogen group; excluding the case where all of R^1 , R^2 , R^3 and R^4 denote a hydrogen atom respectively), characterized in that an organic solvent with a water content of 15 wt% or less is used. The oxycarbonyl-substituted piperazine derivative can also be a racemic modification or optically active substance. --

In Column 18

At line 61, please change " $\{A1/(A1+A2+A3+A4+A5) \times 100(\%)$ " to " $\{(A2+A3+A4+A5)/(A1+A2+A3+A4+A5) \times 100(\%)$ --.

Column 24

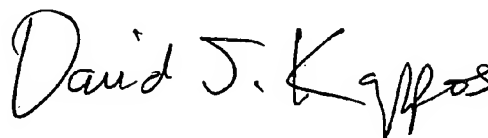
At line 41, please change "26" to -- 26° C --.

In Column 26

At line 45, please change "26" to -- 26° C --.

Signed and Sealed this

Fourteenth Day of September, 2010



David J. Kappos
Director of the United States Patent and Trademark Office